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TITLE : COMPOSITE OF POLYMER WITH ANIONIC SURFACTANT

ABSTRACT : PURPOSE: To obtain a composite containing a specific polymer capable of being dissolved in (alkali) water and an anionic surfactant, excellent in processability, capable of being formed into various shape products such as a sheet-like product, for example capable of being processed into a bag-like product and sealing detergent components therein to utilize the sealed products as an one-pack type detergent for clothing.

CONSTITUTION: This composite comprises (A) a (alkali) water-soluble polymer having a weight-average mol.wt. of ≥ 2000 and comprising an amphoteric polymer composed of hydrophilic parts and hydrophobic parts having betaine structures [e.g. a polymer produced by converting the amino groups of the copolymer of a dialkylaminoalkyl (meth)acrylate with a (meth)acrylic ester into betaine structure] or an anionic polymer composed of hydrophilic parts and hydrophobic parts having carboxyl groups (and oxyalkylene chains) [e.g. the copolymer of (meth)acrylic acid with its ester], and (B) a water-soluble anionic surfactant such as an α -sulfofatty acid methyl ester in an A/B weight ratio of 5/95 to 90/10.

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